Journal of Non-Crystalline Solids 159 (1993) 279–280
North-Holland

JOURNAL OF
NON-CRYSTALLINE SOLIDS

Author index

Achete, C.A., see Lepienski, C.M. 159 (1993) 204
Amini, M., see Vessal, B. 159 (1993) 184
Antonioli, G., see Lottici, P.P. 159 (1993) 173
Arroyo, R., see Rodríguez, R. 159 (1993) 73

Bach, H., see Sprenger, D. 159 (1993) 187
Bellissent, R., see Boucher, B. 159 (1993) 101
Berger, R., see Müller, P. 159 (1993) 154
Boatner, L.A., see Sales, B.C. 159 (1993) 121
Bonhomme, C., M. Henry and J. Livage, Complexing mercuric oxide sols by acetone 159 (1993) 22
Boucher, B., Q. Chen, R. Tourbot and R. Bellissent, Nuclear and magnetic short range order in (RE_xZr_{1-x}) amorphous alloys containing hydrogen (RE = Y, Tb; $x = 0.65, 0.67$) 159 (1993) 101
Bukovec, N., see Orel, B. 159 (1993) 49
Bychkov, E. and G. Wortmann, ^{121}-Sb Mössbauer study of insulating and ion-conducting antimony chalcogenide-based glasses 159 (1993) 162

Catlow, C.R.A., see Vessal, B. 159 (1993) 184
Chakoumakos, B.C., see Sales, B.C. 159 (1993) 121
Chen, Q., see Boucher, B. 159 (1993) 101
Chen, Y., see Hu, Z. 159 (1993) 88
Crousier, J.P., see Massiani, Y. 159 (1993) 92

Dexpert-Ghys, J., see Ribeiro, S.J.L. 159 (1993) 213
Dong, C. and J.M. Dubois, 2D geometrical model of the decagonal phase: tiling units and formation 159 (1993) 107
Dubois, J.M., see Dong, C. 159 (1993) 107
Dubois, J.M., see Massiani, Y. 159 (1993) 92

Freire Jr., F.L., see Lepienski, C.M. 159 (1993) 204
Funo, S., see Kitamura, N. 159 (1993) 241

Gerber, T., see Himmel, B. 159 (1993) 235
Giacometti, J.A., see Lepienski, C.M. 159 (1993) 204
Gnappi, G., see Lottici, P.P. 159 (1993) 173
Greulich, K.-O., see Pfleiderer, C. 159 (1993) 145
Gütlich, P., see Sprenger, D. 159 (1993) 187

Henderson, D.O., see Magruder III, R.H. 159 (1993) 269
Henry, M., see Bonhomme, C. 159 (1993) 22
Himmel, B. and T. Gerber, X-ray diffraction investigation of tetraethoxisilane and ethanol in liquid and vapour phases 159 (1993) 235
Hsia, Y., see Hu, Z. 159 (1993) 88
Hu, Z., J. Shen, Y. Chen, M. Lu and Y. Hsia, Spherical amorphous nickel–phosphorus alloy particles with uniform size prepared at room temperature 159 (1993) 88

Inoue, A., see Niikura, A. 159 (1993) 229
Ionov, R.I., Structural properties of amorphous chalcogenide SeTe/CdSe superlattices 159 (1993) 222
Iwamoto, T., K. Morita and J.D. Mackenzie, Liquid state ^{29}Si NMR study on the sol–gel reaction mechanisms of ormosils 159 (1993) 65

Jacquet-Francillon, N., see Müller, P. 159 (1993) 154

Katsnelson, A.A., see Stepanyuk, V.S. 159 (1993) 80
Kinoshita, M., see Kitamura, N. 159 (1993) 241
Kirchmayr, H., see Stepanyuk, V.S. 159 (1993) 80
Kitamura, N., Y. Toguchi, S. Funo, H. Yamashita and M. Kinoshita, Refractive index of densified silica glass 159 (1993) 241
Kobayashi, K., Flow points and reflow in alkoxide glasses 159 (1993) 274
Kosec, M., see Orel, B. 159 (1993) 49

Lan, G.X., see Lin, Y.K. 159 (1993) 140
Leal Ferreira, G.F., see Lepienski, C.M. 159 (1993) 204
Leclerc, N., see Pfleiderer, C. 159 (1993) 145
Lepienski, C.M., J.A. Giacometti, G.F. Leal Ferreira, F.L. Freire Jr. and C.A. Achete, Electric field distribution and near-surface modifications in soda–lime glass submitted to a dc potential 159 (1993) 204
Lin, Y.K., G.X. Lan, D.Z. Liu and H.F. Wang, Crystallization and formation of pressure-induced amorphous barium metaborate 159 (1993) 140
Liu, D.Z., see Lin, Y.K. 159 (1993) 140
Livage, J., see Bonhomme, C. 159 (1993) 22
Lottici, P.P., I. Manzini, G. Antonioli, G. Gnappi and A. Montenero, EXAFS investigation of the coordination state of germanium in $x Bi_2O_3 \cdot (100-x) GeO_2$ glasses 159 (1993) 173
Lu, M., see Hu, Z. 159 (1993) 88

0022-3093/93/$06.00 © 1993 – Elsevier Science Publishers B.V. All rights reserved

MacCrone, R.K., see Shaw, K.G. 159 (1993) 253
Mackenzie, J.D., see Iwamoto, T. 159 (1993) 65
Magruder III, R.H., D.O. Henderson, C.W. White and R.A. Zuhr, Formation of photosensitive materials by ion implantation of oxygen ions in silica 159 (1993) 269
Manzini, I., see Lottici, P.P. 159 (1993) 173
Massiani, Y., S.A. Yaazza, J.P. Crousier and J.M. Dubois, Electrochemical behaviour of quasicrystalline alloys in corrosive solutions 159 (1993) 92
Mastelaro, V.R., see Ribeiro, S.J.L. 159 (1993) 213
Masumoto, T., see Niikura, A. 159 (1993) 229
McGahay, V. and M. Tomozawa, Phase separation in rare-earth-doped SiO_2 glasses 159 (1993) 246
Meera, B.N. and J. Ramakrishna, Raman spectral studies of borate glasses 159 (1993) 1
Meisel, W., see Sprenger, D. 159 (1993) 187
Montenero, A., see Lottici, P.P. 159 (1993) 173
Morita, K., see Iwamoto, T. 159 (1993) 65
Müller, H., see Stepanyuk, V.S. 159 (1993) 80
Müller, P., M. Schvoerer, R. Berger and N. Jacquet-Francillon, Coupled thermostimulated luminescence/electron spin resonance study in pure vitreous silica: application to alpha radiation damage study 159 (1993) 154

Niikura, A., A.P. Tsai, A. Inoue and T. Masumoto, Chemical structural relaxation-induced embrittlement in amorphous Mg–Cu–Y alloys 159 (1993) 229

Oomen, E.W.J.L., see Severin-Vantilt, M.M.E. 159 (1993) 38
Orel, B., F. Švegl, N. Bukovec and M. Kosec, Structural and optical characterization of CuO particulate solid films and the corresponding gels and xerogels 159 (1993) 49

Pfleiderer, C., N. Leclerc and K.-O. Greulich, The UV–induced 210 nm absorption band in fused silica with different thermal history and stoichiometry 159 (1993) 145
Piriou, B., see Ribeiro, S.J.L. 159 (1993) 213
Pramanik, P., see Saha, S.K. 159 (1993) 31

Ramakrishna, J., see Meera, B.N. 159 (1993) 1
Ramey, J.O., see Sales, B.C. 159 (1993) 121
Ribeiro, S.J.L., J. Dexpert-Ghys, B. Piriou and V.R. Mastelaro, Structural studies in lead germanate glasses: EXAFS and vibrational spectroscopy 159 (1993) 213
Rodríguez, R., R. Arroyo and P. Salinas, Dynamic light scattering studies of the stability and growth of silica particles 159 (1993) 73

Saha, S.K. and P. Pramanik, Aqueous sol–gel synthesis of powders in the ZrO_2–SiO_2 system using zirconium formate and tetraethoxysilane 159 (1993) 31
Sales, B.C., B.C. Chakoumakos, L.A. Boatner and J.O. Ramey, Structural properties of the amorphous phases produced by heating crystalline $MgHPO_4 \cdot 3H_2O$ 159 (1993) 121
Salinas, P., see Rodríguez, R. 159 (1993) 73
Schvoerer, M., see Müller, P. 159 (1993) 154
Severin-Vantilt, M.M.E. and E.W.J.L. Oomen, The incorporation of Rhodamine B in silica sol–gel layers 159 (1993) 38
Shaw, K.G. and R.K. MacCrone, The distribution of defects created by xenon implantation into silica 159 (1993) 253
Shen, J., see Hu, Z. 159 (1993) 88
Sprenger, D., H. Bach, W. Meisel and P. Gütlich, Discrete bond model (DBM) of sodium silicate glasses derived from XPS, Raman and NMR measurements 159 (1993) 187
Stepanyuk, V.S., A. Szasz, A.A. Katsnelson, O.S. Trushin, H. Müller and H. Kirchmayr, Microstructure and its relaxation in Fe–B amorphous system simulated by molecular dynamics 159 (1993) 80
Švegl, F., see Orel, B. 159 (1993) 49
Szasz, A., see Stepanyuk, V.S. 159 (1993) 80

Toguchi, Y., see Kitamura, N. 159 (1993) 241
Tomozawa, M., see McGahay, V. 159 (1993) 246
Tourbot, R., see Boucher, B. 159 (1993) 101
Trushin, O.S., see Stepanyuk, V.S. 159 (1993) 80
Tsai, A.P., see Niikura, A. 159 (1993) 229

Vessal, B., M. Amini and C.R.A. Catlow, Computer simulation of the structure of silica glass 159 (1993) 184

Wang, H.F., see Lin, Y.K. 159 (1993) 140
White, C.W., see Magruder III, R.H. 159 (1993) 269
Wortmann, G., see Bychkov, E. 159 (1993) 162
Wright, A.C., The comparison of molecular dynamics simulations with diffraction experiments 159 (1993) 264

Yaazza, S.A., see Massiani, Y. 159 (1993) 92
Yamashita, H., see Kitamura, N. 159 (1993) 241

Zuhr, R.A., see Magruder III, R.H. 159 (1993) 269

Journal of Non-Crystalline Solids 159 (1993) 281–283
North-Holland

JOURNAL OF
NON-CRYSTALLINE SOLIDS

Subject index

Alkali Silicate Glasses
Electrical Properties and Relaxation, Hydrogen Effects, Diffusion 159 (1993) 204
Modelling, Raman Spectra, Nuclear Magnetic Resonance, XPS 159 (1993) 187

Alloys
Corrosion, Optical Properties, Electrochemical Properties 159 (1993) 92
Neutron Diffraction, Magnetic Properties, Structure 159 (1993) 101
Quasicrystals, Modelling 159 (1993) 107

Amorphous Alloys
Fabrication, Chemical Modification 159 (1993) 88
Molecular Dynamics, Glasses Containing Transition Metal Ions, Microstructure 159 (1993) 80

Borates
Raman Spectra, Structure 159 (1993) 1

Chalcogenides
Mössbauer Effect, Ionic Conductivity, Structure 159 (1993) 162
Oxides, UPS 159 (1993) 274
Superlattices, Raman Spectra, X-ray Diffraction 159 (1993) 222

Chemical Modification
Amorphous Alloys, Fabrication 159 (1993) 88

Chromatography
Phosphates, Crystallization, Crystal to Amorphous Phase Transformation 159 (1993) 121

Colloids
Thin Films, Sol–Gel Processes, Glasses Containing Transition Metal Ions 159 (1993) 49

Coordination
Germania, Infra-red Absorption, Raman Spectra, EXAFS 159 (1993) 213

Corrosion
Alloys, Optical Properties, Electrochemical Properties 159 (1993) 92

Crystal to Amorphous Phase Transformation
Phosphates, Chromatography, Crystallization 159 (1993) 121

Crystallization
Phosphates, Chromatography, Crystal to Amorphous Phase Transformation 159 (1993) 121
Pressure Effects, Non-linear Optics 159 (1993) 140

Defects
Silica, Optical Properties, Radiation Effects 159 (1993) 145

Density
Refractive Index, Pressure Effects 159 (1993) 241

Diffusion
Electrical Properties and Relaxation, Alkali Silicate Glasses, Hydrogen Effects 159 (1993) 204

Dynamical Properties
Sol–Gel Processes, Optical Scattering 159 (1993) 73

Electrical Properties and Relaxation
Alkali Silicate Glasses, Hydrogen Effects, Diffusion 159 (1993) 204

Electrochemical Properties
Corrosion, Alloys, Optical Properties 159 (1993) 92

Electron Spin Resonance
Ion Implantation, Radiation Effects, Silica 159 (1993) 253
Radiation Effects, Luminescence, Silica 159 (1993) 154

EXAFS
Germania, Infra-red Absorption, Raman Spectra, Coordination 159 (1993) 213
Oxides, Structure 159 (1993) 173

Fabrication
Amorphous Alloys, Chemical Modification 159 (1993) 88

Germania
Infra-red Absorption, Raman Spectra, EXAFS, Coordination 159 (1993) 213

Glasses Containing Transition Metal Ions
Amorphous Alloys, Molecular Dynamics, Microstructure 159 (1993) 80
Thin Films, Sol–Gel Processes, Colloids 159 (1993) 49

0022-3093/93/$06.00 © 1993 – Elsevier Science Publishers B.V. All rights reserved

Hydrogen Effects
Electrical Properties and Relaxation, Alkali Silicate Glasses, Diffusion 159 (1993) 204

Infra-red Absorption
Germania, Raman Spectra, EXAFS, Coordination 159 (1993) 213
Sol–Gel Processes, Raman Spectra 159 (1993) 22
Sol–Gel Processes, Zirconia, Oxides 159 (1993) 31

Ion Implantation
Non-linear Optics 159 (1993) 269
Radiation Effects, Silica, Electron Spin Resonance 159 (1993) 253

Ionic Conductivity
Mössbauer Effect, Chalcogenides, Structure 159 (1993) 162

Luminescence
Radiation Effects, Electron Spin Resonance, Silica 159 (1993) 154

Magnetic Properties
Alloys, Neutron Diffraction, Structure 159 (1993) 101

Mechanical Properties
Metallic Glasses, Relaxation 159 (1993) 229

Metallic Glasses
Mechanical Properties, Relaxation 159 (1993) 229

Microstructure
Amorphous Alloys, Molecular Dynamics, Glasses Containing Transition Metal Ions 159 (1993) 80

Modelling
Alkali Silicate Glasses, Raman Spectra, Nuclear Magnetic Resonance, XPS 159 (1993) 187
Molecular Dynamics, Neutron Diffraction 159 (1993) 184
Molecular Dynamics, Neutron Diffraction 159 (1993) 264
Phase Separation, Rare Earth Ions 159 (1993) 246
Quasicrystals, Alloys 159 (1993) 107

Molecular Dynamics
Amorphous Alloys, Glasses Containing Transition Metal Ions, Microstructure 159 (1993) 80
Modelling, Neutron Diffraction 159 (1993) 184
Modelling, Neutron Diffraction 159 (1993) 264

Mössbauer Effect
Chalcogenides, Ionic Conductivity, Structure 159 (1993) 162

Neutron Diffraction
Alloys, Magnetic Properties, Structure 159 (1993) 101
Molecular Dynamics, Modelling 159 (1993) 184
Molecular Dynamics, Modelling 159 (1993) 264

Non-linear Optics
Crystallization, Pressure Effects 159 (1993) 140
Ion Implantation 159 (1993) 269

Nuclear Magnetic Resonance
Alkali Silicate Glasses, Modelling, Raman Spectra, XPS 159 (1993) 187
Organic–Inorganic Hybrids, Sol–Gel Processes 159 (1993) 65

Optical Properties
Corrosion, Alloys, Electrochemical Properties 159 (1993) 92
Silica, Radiation Effects, Defects 159 (1993) 145

Optical Scattering
Sol–Gel Processes, Dynamical Properties 159 (1993) 73

Organic–Inorganic Hybrids
Sol–Gel Processes, Nuclear Magnetic Resonance 159 (1993) 65
Sol–Gel Processes, Thin Films, Silica 159 (1993) 38

Oxides
Chalcogenides, UPS 159 (1993) 274
EXAFS, Structure 159 (1993) 173
Sol–Gel Processes, Zirconia, Infra-red Absorption 159 (1993) 31

Phase Separation
Rare Earth Ions, Modelling 159 (1993) 246

Phosphates
Chromatography, Crystallization, Crystal to Amorphous Phase Transformation 159 (1993) 121

Pressure Effects
Crystallization, Non-linear Optics 159 (1993) 140
Refractive Index, Density 159 (1993) 241

Quasicrystals
Alloys, Modelling 159 (1993) 107

Radiation Effects
Ion Implantation, Silica, Electron Spin Resonance 159 (1993) 253
Luminescence, Electron Spin Resonance, Silica 159 (1993) 154
Silica, Optical Properties, Defects 159 (1993) 145

Raman Spectra
Alkali Silicate Glasses, Modelling, Nuclear Magnetic Resonance, XPS 159 (1993) 187
Borates, Structure 159 (1993) 1
Chalcogenides, Superlattices, X-ray Diffraction 159 (1993) 222
Germania, Infra-red Absorption, EXAFS, Coordination 159 (1993) 213
Sol–Gel Processes, Infra-red Absorption 159 (1993) 22

Rare Earth Ions
Phase Separation, Modelling 159 (1993) 246

Refractive Index
Pressure Effects, Density 159 (1993) 241

Relaxation
Mechanical Properties, Metallic Glasses 159 (1993) 229

Silica
Ion Implantation, Radiation Effects, Electron Spin Resonance 159 (1993) 253
Optical Properties, Radiation Effects, Defects 159 (1993) 145
Radiation Effects, Luminescence, Electron Spin Resonance 159 (1993) 154
Sol–Gel Processes, Thin Films, Organic–Inorganic Hybrids 159 (1993) 38

Sol–Gel Precursors
Solutions, Vaporization, Structure 159 (1993) 235

Sol–Gel Processes
Dynamical Properties, Optical Scattering 159 (1993) 73
Infra-red Absorption, Raman Spectra 159 (1993) 22
Organic–Inorganic Hybrids, Nuclear Magnetic Resonance 159 (1993) 65
Thin Films, Glasses Containing Transition Metal Ions, Colloids 159 (1993) 49
Thin Films, Silica, Organic–Inorganic Hybrids 159 (1993) 38
Zirconia, Oxides, Infra-red Absorption 159 (1993) 31

Solutions
Sol–Gel Precursors, Vaporization, Structure 159 (1993) 235

Structure
Alloys, Neutron Diffraction, Magnetic Properties 159 (1993) 101
Borates, Raman Spectra 159 (1993) 1
EXAFS, Oxides 159 (1993) 173
Mössbauer Effect, Chalcogenides, Ionic Conductivity 159 (1993) 162
Sol–Gel Precursors, Solutions, Vaporization 159 (1993) 235

Superlattices
Chalcogenides, Raman Spectra, X-ray Diffraction 159 (1993) 222

Thin Films
Sol–Gel Processes, Glasses Containing Transition Metal Ions, Colloids 159 (1993) 49
Sol–Gel Processes, Silica, Organic–Inorganic Hybrids 159 (1993) 38

UPS
Oxides, Chalcogenides 159 (1993) 274

Vaporization
Sol–Gel Precursors, Solutions, Structure 159 (1993) 235

XPS
Alkali Silicate Glasses, Modelling, Raman Spectra, Nuclear Magnetic Resonance 159 (1993) 187

X-ray Diffraction
Chalcogenides, Superlattices, Raman Spectra 159 (1993) 222

Zirconia
Sol–Gel Processes, Oxides, Infra-red Absorption 159 (1993) 31